

GP-303736

## DUST TESTING FACILITY FOR MOTOR VEHICLES

## ABSTRACT OF THE DISCLOSURE

A dust testing facility for static dust testing of a motor vehicle, wherein actual road dust is utilized, which dust is fully recirculated and reused, and wherein the dust testing of the motor vehicle suitably approximates a dynamic road dust test of the motor vehicle. The dust testing facility includes a dust testing chamber which receive thereinside a motor vehicle to be tested and is integrated with four major component systems: an air supply system, a dust supply system, a dust spray system interfaced with the dust supply system, and a dust recapture system interfaced with the air supply and dust supply systems. The dust testing chamber preferably includes, for purposes of dust testing of a motor vehicle, a leak detection system selectively interfaced with a motor vehicle being dust tested.